L Number	Hits	Search Text	DB	Time stamp
-	99	(barrier near3 (SiN or nitride)) with plug	USPAT;	2003/05/29 16:42
		(2011101 110010 (011 01 1111110), 1110 proj	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
	ء ا	110026017611	USPAT;	2003/05/29 11:46
-	3	"09268176"	1	2003/03/29 11:46
			US-PGPUB;	
			EPO; JPO;	<u> </u>
			DERWENT;	
ŀ			IBM_TDB	
-	2	"09/268176"	USPAT;	2003/05/29 11:46
			US-PGPUB;	
			EPO; JPO;	1 .
			DERWENT;	i l
			IBM TDB	
_	23	("4963511"   "5032233"   "5187638"	USPAT	2003/05/29 15:33
!		"5292677"   "5346844"   "5362666"		
		"5387550"   "5504038"   "5510651"		
ļ		"5596221"   "5610099"   "5612574"		]
		"5644166"   "5717250"   "5731242"		1
		"5929526"   "5972747"   "5989952"		
1		"6043529"   "6066541").PN.	Hanam	2002/05/00 14:25
-	1	6348709.URPN.	USPAT	2003/05/29 14:37
-	23	("4963511"   "5032233"   "5187638"	USPAT	2003/05/29 14:38
		"5292677"   "5346844"   "5362666"	i	
		"5387550"   "5504038"   "5510651"	1	
		"5596221"   "5610099"   "5612574"		
		"5644166"   "5717250"   "5731242"		
		"5793076"   "5801916"   "5854104"		
		"5929526"   "5972747"   "5989952"		
		"6043529"   "6066541").PN.		
<b>!</b> _	10	("3979237"   "5366920"   "5418388"	USPAT	2003/05/29 14:39
1	10	"5459345"   "5464786"   "5506166"	001111	2003,03,23 11.33
	İ	3439343		
		"5923062").PN.	II C D A M	2003/05/29 14:40
-	7	6043529.URPN.	USPAT	1
-	27	("5475248"   "5481490"   "5578867"	USPAT	2003/05/29 14:41
		"5638319"   "5716875"   "5750419"		
		"5811847"   "5864153"   "5956594"		1
		"5965942"   "5973342"   "5981382 <b>"</b>		İ
		"5990507"   "5994153"   "5998296 <b>"</b>		
		"6037252"   "6043529"   "6051858"		
l <sub>i</sub>	,	"6075264"   "6091599"   "6121083"		
		"6180974"   "6194311"   "6197631"		
		"6239460"   "6281537"   "6313539").PN.		
1 -	7	("5330614"   "5335138"   "5459345"	USPAT	2003/05/29 14:43
1	<u> </u>	"5464793"   "5567964"   "5612574"	1	1
	[	"5854104").PN.		
_	5	6121083.URPN.	USPAT	2003/05/29 14:49
_	ا ŏ		USPAT	2003/05/29 14:52
_	7		USPAT	2003/05/29 14:52
_	10	l	USPAT	2003/05/29 15:11
1-	1 10		1 22121	2003,03,23 13.11
	Ī	"5459345"   "5464786"   "5506166"		[
		"5717236"   "5739563"   "5852307"		[
	_	"5923062").PN.	Hansa	2003/05/20 35:33
-	7		USPAT	2003/05/29 15:11
-	10	1 '	USPAT	2003/05/29 15:14
	Į.	"5700709"   "5728617"   "5811332"	1	į į
1		"5837594"   "5902126"   "5913129"		
		"5930623").PN.		
-	6	6066541.URPN.	USPAT	2003/05/29 15:15
-	2	("4565712"   "5079181").PN.	USPAT	2003/05/29 15:15
_	35	l '	USPAT	2003/05/29 15:15
1 -	3	("5346844"   "5387533"   "5565372").PN.	USPAT	2003/05/29 15:17
1_	1 7	("5114873"   "5140389"   "5206183"	USPAT	2003/05/29 15:19
1	·	"5229326"   "5270238"   "5352621"		
1		"5362666").PN.		
1_	21	5565372.URPN.	USPAT	2003/05/29 15:21
1 _			USPAT	2003/05/29 15:24
		5700706.URPN.	LOSEMI	2003/03/23 13.24

331 (US=60666541-S or US=6005281-S or US=601309-8 or US=5079074-S or US=6013167-S or US=6013167-S or US=5081367-S or US=5081361-S or US=508138-S or US=5081361-S or US=50813			,—		
US-5970374-8 or US-6043529-8 or US-61404-5 or US-51404-5 or US-51404-5 or US-51404-5 or US-51404-5 or US-51404-5 or US-51404-5 or US-514064-5 or US-51407-5 or US-51407-5 or US-51407-5 or US-6121037-8 or US-6121037-8 or US-6121037-8 or US-6121037-8 or US-6121037-8 or US-51404-5 or US-51407-5 or		3.1	/119-6066541-9 or 119-6005291-9 or	IISDAT.	2003/05/29 15:33
US-5714804-\$ or US-5847461-\$ or US-584367-\$ or US-6348709-\$ or US-533614-\$ or US-646739-\$ or US-5950166-\$ or US-53201460-\$ or US-5700706-\$ or US-5506168-\$ or US-5506168-\$ or US-5506168-\$ or US-5506168-\$ or US-5505172-\$ or US-5980500-\$ or US-5980502-\$ o	-	71		· ·	2003/03/23 13.33
US-5834367-8 or US-59399527-8 or US-641809-8 or US-641809-8 or US-641809-8 or US-641809-8 or US-641809-8 or US-5035014-8 or US-5046193-8 or US-504614-5 or US-5046193-8 or US-504614-5 or US-504618-8 o	ì		US-5970374-\$ or US-6043529-\$ or	US-PGPUB;	
US-5834367-8 or US-59399527-8 or US-641809-8 or US-641809-8 or US-641809-8 or US-641809-8 or US-641809-8 or US-5035014-8 or US-5046193-8 or US-504614-5 or US-5046193-8 or US-504614-5 or US-504618-8 o	1		US-5714804-\$ or US-5847461-\$ or	FPO.	
US-6348709-\$ or US-6541808-\$ or US-6121083-\$ or US-5330614-\$ or US-5464791-\$ or US-5330614-\$ or US-5464791-\$ or US-585104-\$ or US-58506166-\$ or US-5823407-\$ or US-5907068-\$ or US-590800-\$ or US-5908500-\$ or US-5908952-\$).did. or US-5906500-\$ or US-5908500-\$ or US-5908952-\$ or US-5908500-\$ or US-5908				· ·	
US-6121083-\$ or US-5330614-\$ or US-5646793-\$ or US-568709-\$ or U	ł		US-5834367-\$ or US-5399527-\$ or	DERWENT	
US-6121083-\$ or US-5330614-\$ or US-5646793-\$ or US-568709-\$ or U	İ		US-6348709-\$ or US-6541808-\$ or		
US-6464793-3- or US-5854104-5 or US-623399-8 or US-506166-3 or US-5506106-3 or US-5506106-3 or US-5506106-3 or US-5506106-3 or US-5506106-5 or US-5206183-3 or US-5864156-5 or US-5206183-3 or US-5864156-5 or US-5206183-3 or US-5864156-5 or US-5864156-5 or US-5864156-5 or US-5864156-5 or US-5864156-5 or US-5864156-5 or US-5864156-5 or US-5864156-5 or US-586415-5 o				i I	
US-5621399-\$ or US-6239460-\$ or US-5506166-\$ or US-5506166-\$ or US-5506166-\$ or US-5506166-\$ or US-55061372-\$ or US-55061372-\$ or US-5601372-\$ or US-5601372-\$ or US-6235537-\$ or US-630931-\$ or US-630931-\$ or US-6309352-\$ or US-630931-\$ or US-6309352-\$ or US-630931-\$ or US-630252-\$ or US-630931-\$ or US-630252-\$ or US-630931-\$ or US-630252-\$ or US-630931-\$ or US-630252-\$ or			US-6121083-\$ or US-5330614-\$ or	1	
US-5621399-\$ or US-6239460-\$ or US-5506166-\$ or US-5506166-\$ or US-5506166-\$ or US-5506166-\$ or US-55061372-\$ or US-55061372-\$ or US-5601372-\$ or US-5601372-\$ or US-6235537-\$ or US-630931-\$ or US-630931-\$ or US-6309352-\$ or US-630931-\$ or US-6309352-\$ or US-630931-\$ or US-630252-\$ or US-630931-\$ or US-630252-\$ or US-630931-\$ or US-630252-\$ or US-630931-\$ or US-630252-\$ or	1		US-5464793-S or US-5854104-S or	1	
US-5506166-\$ or US-5563207-\$ or US-556316-\$ or US-5206183-\$ or US-5206183-\$ or US-5206183-\$ or US-5206183-\$ or US-5206183-\$ or US-5206103-\$ or US-5206103-\$ or US-5206103-\$ or US-520754-\$ or US-5770464-\$ o.did. or (US-2002079581-\$). did. did. did. did. did. did. did. di					
US-5700706-\$ or US-5565372-\$ or US-5206183-\$ or US-5206183-\$ or US-5206183-\$ or US-5206183-\$ or US-520931-\$ or US-5207564-\$ or US-520931-\$ or US-5200707581-\$ or US-5200707581-\$ or US-5200707581-\$ or US-5200707581-\$ or US-5209352-\$).did. or (US-620131-\$).did. or (US-6043529-\$).did.	1				
US-5700706-\$ or US-5565372-\$ or US-5206183-\$ or US-5206183-\$ or US-5206183-\$ or US-5206183-\$ or US-520931-\$ or US-5207564-\$ or US-520931-\$ or US-5200707581-\$ or US-5200707581-\$ or US-5200707581-\$ or US-5200707581-\$ or US-5209352-\$).did. or (US-620131-\$).did. or (US-6043529-\$).did.		ľ	NS-5506166-8 or NS-5852307-8 or		
US-\$206183-\$ or US-\$684156-\$ or US-\$6205593-\$ or US-\$6207564-\$ or US-\$6207504-\$ or US-\$6207504-\$ or US-\$7070464-\$).did. or (US-\$20020079581-\$).did. or (US-\$20020079581-\$).did. or (US-\$20020079581-\$).did. or (US-\$6043529-\$).did. or (US-\$6043529-		l .			
US-623593-\$ or US-6309931-\$ or US-6309931-\$ or US-5986300-\$ or US-570464-\$), did. or (US-5986300-\$ or US-5989952-\$), did. or (US-20020079581-\$), did. or (US-6043529-\$), did. or (US-604-\$), did. or (US-6			US-5700706-\$ or US-5565372-\$ or		
US-623593-\$ or US-6309931-\$ or US-6309931-\$ or US-5986300-\$ or US-570464-\$), did. or (US-5986300-\$ or US-5989952-\$), did. or (US-20020079581-\$), did. or (US-6043529-\$), did. or (US-604-\$), did. or (US-6		1	US-5206183-5 or US-5864156-5 or		
US-6207564-\$ or US-5770464-\$).did. or (US-5968300-\$ or US-598952-\$).did. or (US-20020079581-\$).did. or (WO-915013-\$).did. or (WO-915		į			
USPAT   CO03/05/29 15:34   CO03/05/29 15:25   CO03/05/29 15:26   CO03/05/29 15:26   CO03/05/29 15:26   CO03/05/29 15:26   CO03/05/29 15:26   CO0		ľ	US-6235593-\$ or US-6309931-\$ or		
USPAT   CO03/05/29 15:34   CO03/05/29 15:25   CO03/05/29 15:26   CO03/05/29 15:26   CO03/05/29 15:26   CO03/05/29 15:26   CO03/05/29 15:26   CO0		1	US-6207564-5 or US-5770464-5) did or		
USPAT   USPA		1			
Wo-9815013-9, did. or (US-6043529-9).did.   USPAT   2003/05/29 15:34   "5292677"   "5346844"   "5362666"		1	(US-5986300-\$ or US-5989952-\$).did. or		
Wo-9815013-9, did. or (US-6043529-9).did.   USPAT   2003/05/29 15:34   "5292677"   "5346844"   "5362666"			(IIS-20020079581-\$) did or		
23					
"\$292677"   "\$346844"   "\$322666"   "\$347550"   "\$504038"   \$510651"   "\$594221"   "\$504038"   \$510651"   "\$594221"   "\$510699"   "\$612574"   "\$7393076"   "\$910160"   "\$731242"   "\$7393076"   "\$910160"   "\$731242"   "\$7393076"   "\$9102731"   "\$1890952"   "6043529"   "6046541"), PN. "6043529"   "\$504038"   "\$187638"   "\$292677"   "\$346844"   "\$14626666"   "\$594166"   "\$5952747"   "\$346844"   "\$14626666"   "\$595221"   "\$510099"   "\$612574"   "\$793076"   "\$910160"   "\$731242"   "\$793076"   "\$910160"   "\$731242"   "\$793076"   "\$9102471"   "\$989952"   "6043529"   "6066541"   "\$984104"   "\$793076"   "\$9102471"   "\$989952"   "6043529"   "6066541"   "\$984104"   "\$7992526"   "\$9727477   "\$989952"   "6043529"   "6066541"   "\$984104"   "\$1 ining or spacer\$1 or side8141\$1)   with (nitride81 or SiN or "\$13N4" or "\$1.sub. 3 N. sub. 4"))   "\$1.sub. 3 N. sub. 4"))    USPAT			(WO-9815013-\$).aid. or $(US-6043529-$)$ .aid.		
"\$292677"   "\$346844"   "\$322666"   "\$347550"   "\$504038"   \$510651"   "\$594221"   "\$504038"   \$510651"   "\$594221"   "\$510699"   "\$612574"   "\$7393076"   "\$910160"   "\$731242"   "\$7393076"   "\$910160"   "\$731242"   "\$7393076"   "\$9102731"   "\$1890952"   "6043529"   "6046541"), PN. "6043529"   "\$504038"   "\$187638"   "\$292677"   "\$346844"   "\$14626666"   "\$594166"   "\$5952747"   "\$346844"   "\$14626666"   "\$595221"   "\$510099"   "\$612574"   "\$793076"   "\$910160"   "\$731242"   "\$793076"   "\$910160"   "\$731242"   "\$793076"   "\$9102471"   "\$989952"   "6043529"   "6066541"   "\$984104"   "\$793076"   "\$9102471"   "\$989952"   "6043529"   "6066541"   "\$984104"   "\$7992526"   "\$9727477   "\$989952"   "6043529"   "6066541"   "\$984104"   "\$1 ining or spacer\$1 or side8141\$1)   with (nitride81 or SiN or "\$13N4" or "\$1.sub. 3 N. sub. 4"))   "\$1.sub. 3 N. sub. 4"))    USPAT	I _	23	("4963511"   "5032233"   "5187638"	USPAT	2003/05/29 15:34
"5387550"   "5504038"   "5510651"   "5959221"   "5610291"   "561274"   "5644166"   "5717250"   "5731242"   "5793076"   "5801916"   "5811242"   "5929526"   "59012747"   "5989952"   "6065341"   "5065231"   "5066511"   "5387550"   "5368444"   "5362666"   "387550"   "5504038"   "510651"   "57929526"   "571242"   "5644166"   "5717250"   "5731242"   "5793076"   "5610291"   "5612574"   "5793076"   "5801916"   "5812142"   "5793076"   "5801916"   "5812142"   "5793076"   "5902747"   "5989952"   "6041529"   "5606511"   "5793076"   "5912747"   "5989952"   "6041529"   "5065511"   "5793076"   "5901952"   "5731242"   "5793076"   "5901952"   "581242"   "5793076"   "5901952"   "581242"   "584166"   "5717250"   "5731242"   "5793076"   "5901952"   "581242"   "584166"   "5717250"   "5731242"   "5929526"   "9917247"   "5989952"   "6041529"   "5066541"   "5929526"   "9917247"   "5989952"   "6041529"   "5065541"   "5929526"   "9917247"   "5989952"   "6041529"   "5065541"   "5929526"   "9917247"   "5989952"   "6041529"   "501247"   "5989952"   "6041529"   "501247"   "5989952"   "6041529"   "501247"   "5989952"   "6041529"   "501247"   "5989952"   "6041529"   "591247"   "591247"   "5989952"   "6041529"   "591247"   "591247"   "591247"   "591247"   "591247"   "591247"   "591247"   "591247"   "591247"   "591247"   "591247"   "591247"   "591247"   "591247"   "591247"   "591247"   "59124	1			00	2000,00,22
"5596221"   "5610099"   "5612574"   "5793076"   "5911250"   "5731242"   "5793076"   "5912747"   "5939952"   "6043529"   "6066541"), PN. "6043529"   "6066541"), PN. "5292677"   "5346844"   "5362666"   "5596221"   "5604038"   "510251"   "5596221"   "5604038"   "510251"   "5793076"   "5902333"   "5791242"   "5793076"   "5912747"   "5939952"   "6043529"   "6066541"   "5711250"   "5731242"   "5793076"   "5912747"   "5939952"   "6043529"   "6066541"   "586104"   "5793076"   "5801916"   "584104"   "5793076"   "5801916"   "584104"   "5793076"   "5801916"   "584104"   "5793076"   "5801916"   "584104"   "6043529"   "6066541" "6043529"   "6066541" "51 sub. 3 N sub. 4"))  - 0 DE9702133   - 0 DE970213   - 0 DE196035   - 0 DE196035   - 0 DE196035   - 0 DE970213   - 0 DE196036   - 0 DE196036   - 0 DE196036   - 0 DE196039   - 0 DE970213   - 0 DE196036   - 0 DE970213   - 0 DE196036   - 0 DE196036   - 0 DE970213   - 0 DE196036   - 0 DE970213   - 0 DE196036   - 0 DE970213   - 0 DE196036   - 0 DE196036   - 0 DE970213   - 0 DE196036   - 0 DE970213   - 0 DE196036   - 0 DE970213   - 0 DE97021	i		"5292677"   "5346844"   "5362666"		
"5596221"   "5610099"   "5612574"   "5793076"   "5911250"   "5731242"   "5793076"   "5912747"   "5939952"   "6043529"   "6066541"), PN. "6043529"   "6066541"), PN. "5292677"   "5346844"   "5362666"   "5596221"   "5604038"   "510251"   "5596221"   "5604038"   "510251"   "5793076"   "5902333"   "5791242"   "5793076"   "5912747"   "5939952"   "6043529"   "6066541"   "5711250"   "5731242"   "5793076"   "5912747"   "5939952"   "6043529"   "6066541"   "586104"   "5793076"   "5801916"   "584104"   "5793076"   "5801916"   "584104"   "5793076"   "5801916"   "584104"   "5793076"   "5801916"   "584104"   "6043529"   "6066541" "6043529"   "6066541" "51 sub. 3 N sub. 4"))  - 0 DE9702133   - 0 DE970213   - 0 DE196035   - 0 DE196035   - 0 DE196035   - 0 DE970213   - 0 DE196036   - 0 DE196036   - 0 DE196036   - 0 DE196039   - 0 DE970213   - 0 DE196036   - 0 DE970213   - 0 DE196036   - 0 DE196036   - 0 DE970213   - 0 DE196036   - 0 DE970213   - 0 DE196036   - 0 DE970213   - 0 DE196036   - 0 DE196036   - 0 DE970213   - 0 DE196036   - 0 DE970213   - 0 DE196036   - 0 DE970213   - 0 DE97021			"5387550"   "5504038"   "5510651"		
- **S644166" **S717250" **S731242"		1			
#5793076"   "5801916"   "5854104"   #5929526"   "5927247"   "5939295"   #0493512"   "50322333"   "5187638"   #5292677"   "5346844"   "5362666"   #53975570"   "5504038"   "5510531"   #5996221"   "5610099"   "5612574"   #5793076"   "5801916"   "5854104"   #5793076"   "5801916"   "5812474"   #5793076"   "5801916"   "5812474"   #5793076"   "5801916"   "5812474"   #5793076"   "5801916"   "5881910"   #6043529"   "6066541"   #043529"   "6066541"   #0438299"   "6066541"   #0597021332   USPAT   USPAT   #0597021332   USPAT   USPAT   2003/05/29 16:07   #0 DE97021332   USPAT   USPAT   2003/05/29 16:07   #0 DE97021332   USPAT   USPAT   2003/05/29 16:08   #0643529"   USPAT   USPAT   2003/05/29 16:08   #0643529"   USPAT   USPAT   2003/05/29 16:08   #0643529"   USPAT   2003/05/29 16:09   #07536844"   "5387533"   "5565372").PN.   #07536844"   "5387533"   "5565372").PN.   #07536844"   "5387533"   USPAT   2003/05/29 16:10   #07536844"   "5387533"   "5565372").PN.   #07536844"   "5387533"   USPAT   2003/05/29 16:20   #07537   USPAT   USPAT   USPAT   2003/05/29 16:20   #07537   USPAT   USP			"5596221"   "5610099"   "5612574"		
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- 654 "496351"   "5029233"   "5187638"   USPAT   2003/05/29 15:53   "529267"   "5346544"   "5362666"   "5387550"   "5504038"   "5510651"   "596221"   "5610099"   "5510651"   "596221"   "5641666"   "5717250"   "5731242"   "5793076"   "5901516"   "58641064"   "5793076"   "5801016"   "5854104"   "5292526"   "5972747"   "5989952"   "6066541"   "5793076"   "5972747"   "5989952"   "6043529"   "6066541"   "58641064"   "5793076"   "5972747"   "5989952"   "6043529"   "6066541"   USPAT   2003/05/29 16:07   USPAT   2003/05/29 16:08   USPAT   2003/05/29 16:08   USPAT   2003/05/29 16:08   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:10   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:12   USPAT   USPAT   2003/05/29 16:12   USPAT   USPAT   USPAT   2003/05/29 16:26   USPAT				1	
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"\$39750"   "\$346844"   "\$382666"   "\$38750"   "\$504038"   "\$510651"   "\$596221"   "\$610099"   "\$612574"   "\$644166"   "\$717250"   "\$731242"   "\$793076"   "\$501916"   "\$731242"   "\$793076"   "\$501916"   "\$731242"   "\$793076"   "\$501916"   "\$731242"   "\$793076"   "\$501916"   "\$731242"   "\$793076"   "\$501916"   "\$731242"   "\$793076"   "\$501916"   "\$731242"   "\$643529"   "\$6066541"   "\$1	1		"6U43529"   "6U66541").PN.	1	
"\$39750"   "\$346844"   "\$382666"   "\$38750"   "\$504038"   "\$510651"   "\$596221"   "\$610099"   "\$612574"   "\$644166"   "\$717250"   "\$731242"   "\$793076"   "\$501916"   "\$731242"   "\$793076"   "\$501916"   "\$731242"   "\$793076"   "\$501916"   "\$731242"   "\$793076"   "\$501916"   "\$731242"   "\$793076"   "\$501916"   "\$731242"   "\$793076"   "\$501916"   "\$731242"   "\$643529"   "\$6066541"   "\$1	1_	651	"4963511"   "5032233"   "5187638"	USPAT	2003/05/29 15:53
"5387550"   "5504038"   "5510651"   "5595221"   "5510099"   "5612574"   "5793076"   "5504038"   "5731242"   "5793076"   "59717250"   "5731242"   "5793076"   "59717250"   "5731242"   "5793076"   "5972747"   "5989952"   "6043529"   "6066541"   "607 ((438/239-241, "253").ccls.) and ((liner\$1   USPAT   2003/05/29 16:43   "51 uspar   2003/05/29 16:08   "51 uspar   2003/05/29 16:10   "51 uspar   2003/05/29 16:10   "51 uspar   2003/05/29 16:11   "51 uspar   2003/05/29 16:12   "51 uspar   2003/05/29 16:20   "51 uspar   2003/05/29 16:20   "52 uspar   2003/05/29 16:20   "52 uspar   2003/05/29 16:20   "52 uspar   2003/05/29 16:20   "52 uspar   2003/05/29 16:20   "52 uspar   2003/05/29 16:20   "52 uspar   2003/05/29 16:20   "52 uspar   2003/05/29 16:20   "52 uspar   2003/05/29 16:20   "52 uspar   2003/05/29 16:20   "53 uspar   2003/05/29 16:20   "53 uspar   2003/05/29 16:20   "53 uspar   2003/05/29 16:20   "54 uspar   2003/05/29 16:20   "55 uspar   2003/05/29 16:26   "57 uspar   2003/05/29 16:26   "57 uspar   2003/05/29 16:26   "57 uspar   2003/05/29 16:26   "57 uspar   2003/05/29 16:26   "57 uspar   2003/05/29 16:26   "57 uspar   2003/05/29 16:26   "57 uspar   2003/05/29 16:26   "57 uspar   2003/05/29 16:26   "58 uspar   2003/05/29 16:26   "58 uspar   2003/05/29 16:26   "58 uspar   2003/05/29 16:26   "58 uspar   2003/05/29 16:26   "58 uspar   2003/05/29	1 -	054		351.51	_000,00,25 10.00
"5596221"   "5610099"   "5612574"   "5644166"   "5717250"   "5731242"   "5793076"   "5801916"   "5884104"   "5929526"   "5972747"   "5989952"   "6043529"   "6066541" - 2418 (438/239-241, "253").ccls.) and ((liner\$1 or lining or spacer\$1 or side\$iwall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si. sub.3 N. sub.4")) - 0 DE9702133\$2			"5292677"   "5346844"   "5362666"		
"5596221"   "5610099"   "5612574"   "5644166"   "5717250"   "5731242"   "5793076"   "5801916"   "5884104"   "5929526"   "5972747"   "5989952"   "6043529"   "6066541" - 2418 (438/239-241, "253").ccls.) and ((liner\$1 or lining or spacer\$1 or side\$iwall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si. sub.3 N. sub.4")) - 0 DE9702133\$2	İ	1	"5387550"   "5504038"   "5510651"	1	
"5644166"   "5517250"   "5731242"   "5793076"   "5801916"   "5884104"   "5929526"   "5972747"   "5989952"   "6043529"   "6066541"  - 2418 (438/239-241, "253").ccls.) and ((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Sis.wb.3 N. sub.4")) - 0 DE9702133	1	1	·	1	
"5793076"   "\$801916"   "5884104"   "5929526"   "592747"   "5989952"   "6043529"   "6043529"   "6066541"   USPAT   USPAT   USPAT   2003/05/29 16:43   USPAT   USPAT   2003/05/29 16:43   USPAT   USPAT   2003/05/29 16:43   USPAT   USPAT   2003/05/29 16:43   USPAT   USPAT   2003/05/29 16:43   USPAT   USPAT   2003/05/29 16:43   USPAT   USPAT   2003/05/29 16:07   USPAT   2003/05/29 16:07   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:10   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:12   USPAT   2003/05/29 16:12   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   USPAT   2003/05/29 16:20   USPAT			"5596221"   "5610099"   "5612574"	Į.	
"5793076"   "\$801916"   "5884104"   "5929526"   "592747"   "5989952"   "6043529"   "6043529"   "6066541"   USPAT   USPAT   USPAT   2003/05/29 16:43   USPAT   USPAT   2003/05/29 16:43   USPAT   USPAT   2003/05/29 16:43   USPAT   USPAT   2003/05/29 16:43   USPAT   USPAT   2003/05/29 16:43   USPAT   USPAT   2003/05/29 16:43   USPAT   USPAT   2003/05/29 16:07   USPAT   2003/05/29 16:07   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:09   USPAT   2003/05/29 16:10   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:11   USPAT   2003/05/29 16:12   USPAT   2003/05/29 16:12   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   USPAT   USPAT   2003/05/29 16:20   USPAT   USPAT   USPAT   2003/05/29 16:20   USPAT	1		"5644166"   "5717250"   "5731242"		
"5929526"   "5972747"   "5989952"   "6045529"   "6066541" (438/239-241, "253").ccls.) and ((liner\$1) or lining or spacer\$1 or side\$iwal1\$1) with (nitride\$1 or \$in or "si3N4" or "5i.sub.3 N.sub.4"))  - 0 DE9702133				1	
"5929526"   "5972747"   "5989952"   "6045529"   "6066541" (438/239-241, "253").ccls.) and ((liner\$1) or lining or spacer\$1 or side\$iwal1\$1) with (nitride\$1 or \$in or "si3N4" or "5i.sub.3 N.sub.4"))  - 0 DE9702133			"5793076"   "5801916"   "5854104"	1	
- 2418 (438/239-241, "253").ccls. (138/239-241, "253").ccls. (1438/239-241, "253").ccls. or lining or spacer\$1 or side\$1wall\$1) with (intride\$1 or SiN or "si3N4" or "\$1.sub.3 N.sub.4")) - 0 DE9702133 - 0 DE9702133\$2 USPAT 2003/05/29 16:07 USPAT 2003/05/29 16:07 USPAT 2003/05/29 16:07 USPAT 2003/05/29 16:08 8 "6643529" USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:09 USPAT 2003/05/29 16:11 USPAT 2003/05/29 16:11 USPAT 2003/05/29 16:11 USPAT 2003/05/29 16:11 USPAT 2003/05/29 16:11 USPAT 2003/05/29 16:11 USPAT 2003/05/29 16:12 USPAT 2003/05/29 16:21 USPAT 2003/05/29 16:21 USPAT 2003/05/29 16:21 USPAT 2003/05/29 16:21 USPAT 2003/05/29 16:21 USPAT 2003/05/29 16:21 USPAT 2003/05/29 16:21 USPAT 2003/05/29 16:21 USPAT 2003/05/29 16:21 USPAT 2003/05/29 16:21 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JP				1	
- 2418 (438/239-241, "253").ccls.) and ((liner\$1 OPAT (1)				1	
- 2418 (438/239-241, "253").ccls.) and ((liner\$1 OSPAT (1) OSPAT (			"6043529"   "6066541"	1	
- 670 ((438/239-241, "253").ccls.) and ((liner\$1 or lining or spacer\$1 or side\$lwall\$1) with (nitride\$1 or SiN or "si3N4" or "si.sub.3 N.sub.4"))  - 0 DE9702133 - 0 DE9702133\$2 USPAT 2003/05/29 16:08 - 0 DE9702133\$2 USPAT 2003/05/29 16:08 - 0 B8 "6043529" USPAT 2003/05/29 16:08 - 0 B8 "6043529" USPAT 2003/05/29 16:08 - 0 B6,043,529" USPAT 2003/05/29 16:10 - 1 US adj 6043529\$3 USPAT 2003/05/29 16:10 - 1 US adj 6043529\$3 USPAT 2003/05/29 16:10 - 0 DE19640246\$3 USPAT 2003/05/29 16:11 - 0 DE DE19640246\$3 USPAT 2003/05/29 16:11 - 0 DE ADj 19640246\$3 USPAT 2003/05/29 16:11 - 0 DESPAT; USPAT 2003/05/29 16:21 - 10 "6196439" USPAT 2003/05/29 16:21 - 10 "6196439" USPAT USPAT 2003/05/29 16:21 - 11 jp06196439 USPAT USPAT 2003/05/29 16:21 - 12 jp ADj 06196439\$3 USPAT USPAT 2003/05/29 16:21 - 2 jp ADj 06196439\$3 USPAT USPAT 2003/05/29 16:22 - 10 "6196439" USPAT USPAT 2003/05/29 16:22 - 2 jp ADj 06196439\$3 USPAT USPAT 2003/05/29 16:22 - 2 jp ADj 06196439\$3 USPAT USPAT 2003/05/29 16:22 - 2 jp ADj 06196439\$3 USPAT USPAT 2003/05/29 16:22 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:22 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:22 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:22 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26 - 2 jp ADj 06196439\$3 USPAT 2003/05/29 16:26		0410		TICDAT	2003/05/29 17:19
or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si. sub.3 N. sub.4"))  - 0 DE9702133 USPAT 2003/05/29 16:08 - 0 DE9702133\$2 USPAT 2003/05/29 16:08 - 0 DE9702133\$2 USPAT 2003/05/29 16:08 - 0 DE9702133\$2 USPAT 2003/05/29 16:08 - 0 DE9702133\$2 USPAT 2003/05/29 16:08 - 0 R "6,043,529" USPAT 2003/05/29 16:10 - 0 DE19640246\$3 USPAT 2003/05/29 16:11 - 0 DE19640246\$3 USPAT 2003/05/29 16:11 - 0 DE ADJ 19640246\$3 USPAT 2003/05/29 16:11 - 0 DE ADJ 19640246\$3 USPAT 2003/05/29 16:11 - 2 S700706.URPN. USPAT 2003/05/29 16:11 - 2 S700706.URPN. USPAT 2003/05/29 16:21 - 1 Jp06196439" USPAT 2003/05/29 16:22 - 10 "6196439" USPAT 2003/05/29 16:22 - 2 Jp ADJ 06196439\$3 USPAT 2003/05/29 16:22 - 2 Jp ADJ 06196439\$3 USPAT 2003/05/29 16:22 - 2 Jp ADJ 06196439\$3 USPAT 2003/05/29 16:22 - 2 WO adj 9815013\$3 USPAT; IBM TDB USPAT; IBM TDB USPAT; IBM TDB USPAT; IBM TDB USPAT; ISM TDB USPAT; ISM TDB USPAT; ISM TDB USPAT; ISM TDB USPAT; ISM TDB USPAT; ISM TDB USPAT; ISM TDB USPAT; ISM TDB USPAT; ISM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT	_	1			1
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- 1 jp06196439  - 2 jp ADj 06196439\$3  - 2 jp ADj 06196439\$3  - 0 W09815013\$3  - 2 W0 adj 9815013\$3  USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT;					1
- 1 jp06196439  - 2 jp ADj 06196439\$3  - 2 jp ADj 06196439\$3  - 0 W09815013\$3  - 2 W0 adj 9815013\$3  USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT;		1		IBM TDB	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;		_	÷=06106420	_	2003/05/29 16.22
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	-	1	lbnoraca22	1	2003/03/29 10:22
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;				US-PGPUB;	
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;		i		1	
IBM_TDB				1	
IBM_TDB		1		DERWENT;	1
- 2 jp ADj 06196439\$3  USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;		1		,	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;		1		_	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	l <b>-</b>	)	in ADi 06196439\$3	USPAT:	2003/05/29 16:26
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	1	1	Jr) 00270.0770	1	
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	1			i ·	
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	1	1		EPO: JPO:	1
- 0 W09815013\$3	1				
- 0 W09815013\$3 USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	1			DEKWENT;	1
- 0 W09815013\$3 USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;				IBM TDB	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	1	_		_	2002/05/20 16:06
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; DERWENT;	-	1 0	WO9815013\$3	USPAT;	2003/05/29 16:26
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; DERWENT;	1			US-PGPUB:	
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	i			1	1
IBM_TDB   USPAT;   2003/05/29 16:26   US-PGPUB;   EPO; JPO;   DERWENT;	1	1		EPO; JPO;	1
IBM_TDB   USPAT;   2003/05/29 16:26   US-PGPUB;   EPO; JPO;   DERWENT;	1			DERWENT.	
- 2 WO adj 9815013\$3 USPĀT; 2003/05/29 16:26 US-PGPUB; EPO; JPO; DERWENT;	1			1	i
US-PGPUB; EPO; JPO; DERWENT;	1			IBM TDB	
US-PGPUB; EPO; JPO; DERWENT;		1 0	NO add 001501363	IISPĀT.	2003/05/29 16.26
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EPO; JPO; DERWENT;	-	1 2		I TIO DODITO	1
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or lining or spacers1 or sideSlawalis1) with (nitrideSl or SiN or "SiNAM" or "Si.sub.3 N.sub.4") with plug) 89 ((438/39-24), "253").ccls.) and ((liner\$1 or lining or spacer\$1 or sideSlawali\$1) with (nitrideSl or SiN or "SiNAM" or "Si.sub.3 N.sub.4") with opening\$1) 4580 (438/39-56, 622, 627, 637, 638, 637, 637, 637, 637, 637, 637, 637, 638, 647, 637, 647, 647, 647, 647, 647, 647, 647, 64					
or lining or spacer\$1 or sideSlwallS1) with (nitrideS1 or SiN or "SiNaW" or     "Si.sub.3 N.sub.4") with plug)  97 ((438/239-24), "253").cols.) and ((liner\$1 or lining or spacer\$1 or sideSlwall\$1) with (nitrideS1 or SiN or "SiNaW" or     "Si.sub.3 N.sub.4") with opening\$1)  4588 (53.905, 191, 227) with opening\$1)  4588 (53.905, 191, 227) with opening\$1)  4588 (53.905, 191, 227) with opening\$1)  4588 (53.905, 191, 227) with opening\$1)  4688 (53.905, 191, 227) with opening\$1)  47 ((438/595, 622, 627, 637, 629, 639, 643, 653, 675, 791, "700").cols.) and ((liner\$1 or lining or spacer\$1 or sideSlwall\$1) with (nitrideS1 or SiN or "SiNaW" or     "Si.sub.3 N.sub.4") with plug)  6 ("00052555"   "6708707"   "6103608"   USPAT 2003/05/29 17:     "6194784"   "6204134"   "6228731"   Sin or     "8194789"   "6337228"   "8103608"   USPAT 2003/05/29 17:     "5228567"   "7373236"   "7573316"   USPAT 2003/05/29 17:     "6194784"   "6204134"   "6228731"   USPAT 2003/05/29 17:     "6194073"   "6037228"   "6104033"   USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426").PN. USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426").PN. USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426").PN. USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426").PN. USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426").PN. USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426").PN. USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426").PN. USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426").PN. USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426").PN. USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426").PN. USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426"   PN. USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426"   PN. USPAT 2003/05/29 17:     "6194073"   "6228731"   "674426"   PN. USPAT 2003/05/29 18:     "6194073"   "674073073"   "674426"   PN. USPAT 2003/05/29 18:     "6194073"   "674073073"   "674073073"   "674073073"   "674073073"   "674073073"   "674073073"   "674073073"   "674073073"	_	45	((438/239-241, "253").ccls.) and ((liner\$1	USPAT	2003/05/29 17:20
### (nitridesi or SiN or "Si3Na" or "Si3Nb." or "Sixb.3.N Sab.3.N Sab.4") with plug   ### ((138/239-241, "252").ccls.) and ((liners) or lining or spacers) or sidesibalis) with (nitridesi or SiN or "Si3Na" or "Sixb.3.N Sab.4") with openingsi)	1				
Sept	l i				
-					
or lining or spacers1 or sides\ualis1) with (nitrides1 or Sin or "SinN" or "Si.sub.3 N.sub.4") with opening\$1) 4880 (438/595, 622, 627, 637, 629, 639, 643, 653, 675, 791, "700").ccls. 4 (1438/595, 622, 627, 637, 629, 639, 643, 653, 675, 791, "700").ccls.) and ((liner\$1) or lining or spacer\$1 or sides\ualis1) with (nitride\$1 or Sin or "SinN" or "Si.sub.3 N.sub.4") with plug) 6 ("602225"   "607007"   "620871").PN. 17 ("602225"   "607007"   "620871").PN. 18 ("602225"   "607007"   "620871").PN. 19 ("602225"   "570308"   "580386"   19 ("602225"   "570308"   "580386"   10 ("602225"   "570308"   "620871").PN. 10 ("602225"   "570308"   "620871").PN. 11 ("622267"   "5713236"   "5703986"   12 ("52267"   "5713236"   "5703986"   13 ("6184073"   "6228731"   "6274426").PN. 19 ("6184073"   "6228731"   "6274426").PN. 20 (3696430.URN). 20 ((liner\$1 or lining or spacer\$1 or sides\ualis1) with (nitride\$1 or Sin or "SinN" or "Si.sub.3 N.sub.4") with 20 (liner\$1 or lining or spacer\$1 or sides\ualis1) with (nitride\$1 or Sin or "SinN" or "Si.sub.3 N.sub.4") with 20 ((liner\$1 or lining or spacer\$1 or sides\ualis1) with (nitride\$1 or Sin or "SinN" or "Si.sub.3 N.sub.4") with 20 (((liner\$1 or lining or spacer\$1 or sides\ualis1) with (nitride\$1 or Sin or "SinN" or "Si.sub.3 N.sub.4") with 20 ((((liner\$1 or lining or spacer\$1 or sides\ualis1) with (nitride\$1 or Sin or "SinN" or "Si.sub.3 N.sub.4") with 20 ((((liner\$1 or lining or spacer\$1 or sides\ualis1) with (nitride\$1 or Sin or "SinN" or "Si.sub.3 N.sub.4") with 20 ((((liner\$1 or lining or spacer\$1 or sides\ualis1) with (nitride\$1 or Sin or "SinN" or "Si.sub.3 N.sub.4") with 20 ((((liner\$1 or lining or spacer\$1 or sides\ualis1) with (nitride\$1 or Sin or "SinN" or "Si.sub.3 N.sub.4") with 20 ((((liner\$1 or lining or spacer\$1 or sides\ualis1) with (nitride\$1 or Sin or "SinN" or "Si.sub.3 N.sub.4") with 20 ((((liner\$1 or lining or spacer\$1 or sides\ualis1) with (nitride\$1 or Sin or "SinN" or "Si.sub.3 N.sub.4") with 20 ((((liner\$1 or lining or spacer\$1 or sides\ualis1) with (nitride\$1 or				1	1
with (nitridesi or Sin or "SinNa" or "SinNa" or "Sin sub.3" N. sub.4") with opening\$1   2003/05/29 17:    - 480	-	89	((438/239-241, "253").ccls.) and ((liner\$1	USPAT	2003/05/29 16:46
with (nitridesi or SiN or "SiNN" or "Sisuba" or "Sisuba" with opening\$1    -	1		or lining or spacer\$1 or side\$1wall\$1)		
"Si.sub.3 N.sub.4") with opening\$1)					
-					
653, 675, 791, "no0"].ccls.		4500		LICDAM	2002/05/20 17.20
-   47	-	4580	(438/595, 622, 621, 631, 629, 639, 643,	USPAT	2003/05/29 17:20
653, 675, 791, "NOO").ccls.) and ((liners1 or lining or spacers1 or sideSivalls1)			653, 675, 791, "700").ccls.		
653, 675, 791, "NOO").ccls.) and ((liners1 or lining or spacers1 or sideSivalls1)	-	47	((438/595, 622, 627, 637, 629, 639, 643,	USPAT	2003/05/29 17:42
or lining or spacer\$1 or side\$iwall\$1) with (nitride\$1 or \$10 Nor "\$150 Nor	i		653, 675, 791, "700").ccls.) and ((liner\$1		
with (nitride\$1 or SiN or "SiSNM" or "Sis.sub.3 N. sub.4") with plug)	1				
- 6 (%025255; "6078073"   %103608"   - 6 (%025255; "6078073")   %103608"   - 17 (%025257; "6078073")   %103608"   - 17 (%292677; "5472899")   %565864"   - 17 (%292677; "5472899")   %565864"   - %563426"   %5723381"   %728595"   - %563426"   %5723381"   %728595"   - %563426"   %5723381"   %728595"   - %563426"   %5783381"   %728595"   - %563426"   %5783381"   %7583316"   - %563430.URPN 3 (%184073"   %228731"   %6274426").PN 4 (%184073"   %228731"   %6274426").PN 5 (%638430.URPN ((11ers) or lining or spacers) or sideSlwal151) with (nitrideS1 or SiN or %513M4" or %51.3ub.3 N.sub.4") with plug) ((1(1ers) or lining or spacers) or sideSlwal151) with (nitrideS1 or SiN or %513M4" or %51.3ub.3 N.sub.4") with plug) ((((1iers) or lining or spacers) or sideSlwal151) with (nitrideS1 or SiN or %513M4" or %51.3ub.3 N.sub.4") with plug) (((((1iers) or lining or spacers) or sideSlwal151) with (nitrideS1 or SiN or %513M4" or %51.3ub.3 N.sub.4") with plug) (((((1iers) or S1N or %513M4" or %51.3ub.3 N.sub.4") with openingS1) ) and (plug with (second near2 barrier)) ((((((1iers) or S1) or %513M4" or %51.3ub.3 N.sub.4") with openingS1) )) and (plug with (second near2 barrier)) (((((1iers) or S1) or %513M4" or %51.3ub.3 N.sub.4") with plug) ) or ((((iiers) or S1) or %513M4" or %51.3ub.3 N.sub.4") with openingS1) )) and (plug with barrier) (((363720") "300700") "4035541"   %990997" "5001551"   %990997" "5001551"   %909975"   %909997" "5001551"   %909975"   %909997" "5001551"   %909975"   %909997" "5001551"   %909975"   %909997"   %909975			with (nitridocal or Giv or "Gi 3NA" or		
- 6 ("6022555", "6078073"   "6103608"       "6194784" "62204374"   "62204371").PN.     "6194784" "62204374"   "527890"   "5603864"       "5194784"   "527890"   "5603864"       "5728566"   "57381236"   "5741396"       "5728566"   "57381236"   "5741396"       "579867"   "5891799"   "6037228"   "610183"       "6153455"   "6153457").PN.     "3 ("6184073"   "6228731"   "6274426").PN.     "3 ("6184073"   "6228731"   "6274426").PN.     "3 ("6184073"   "6228731"   "6274426").PN.     "51084" or "Si.sub.3 N.sub.4") with plug) (11ers) or lining or spacers) or side\$\text{side\$\text{side}\					
17		_ '	"S1. Sub. 3 N. Sub. 4") With plug)		0000/05/00 17 00
-	-	6		USPAT	2003/05/29 17:38
"5554236"   "5723381"   "5728595"   "5728596"   "57312381"   "5763316"   "5758967"   "5759920"   "5763316"   "5991799"   "6037228"   "6140183"   "6153455"   "6153457").PN.			"6194784"   "6204134"   "6228731").PN.	į	
"5554236"   "5723381"   "5728595"   "5728596"   "57312381"   "5763316"   "5758967"   "5759920"   "5763316"   "5991799"   "6037228"   "6140183"   "6153455"   "6153457").PN.	-	17	("5292677"   "5472890"   "5605864"	USPAT	2003/05/29 17:39
"5728596"   "5731236"   "5741396"   "5759867"   "5759820"   "5763316"   "5991799"   "6037228"   "6140183"   "6153455"   "6153457").PN.   "628731.URPN.   "628731"   "6274426").PN.   USPAT   2003/05/29 17:   "6369430.URPN.   "628731"   "6274426").PN.   USPAT   2003/05/29 17:   "6369430.URPN.   USPAT   2003/05/29 17:   "6369430.URPN.   USPAT   2003/05/29 17:   "6369430.URPN.   USPAT   2003/05/29 17:   "6369430.URPN.   USPAT   2003/05/29 17:   "877   ((liner\$1 or lining or spacer\$1 or side\$iwal1\$1) with (nitride\$1 or SiN or "\$i33N*" or "\$i.sub.3 N.sub.4") with plug)     "878   ((liner\$1 or lining or spacer\$1 or side\$iwal1\$1) with (nitride\$1 or SiN or "\$i33N*" or "\$i.sub.3 N.sub.4") with plug)     "879   Or (((liner\$1 or lining or spacer\$1 or side\$iwal1\$1) with (nitride\$1 or SiN or "\$i33N*" or "\$i.sub.3 N.sub.4") with plug)     "870   Or (((liner\$1 or lining or spacer\$1 or side\$iwal1\$1) with (nitride\$1 or SiN or "\$i33N*" or "\$i.sub.3 N.sub.4") with plug)     "870   Or (((liner\$1 or lining or spacer\$1 or side\$iwal1\$1) with (nitride\$1 or SiN or "\$i33N*" or "\$i.sub.3 N.sub.4") with plug)     "871   Or "\$i.sub.3 N.sub.4") with plug)     "871   Or "\$i.sub.3 N.sub.4") with plug)     "871   Or "\$i.sub.3 N.sub.4") with plug)     "871   Or "\$i.sub.3 N.sub.4") with plug)     "871   Or "\$i.sub.3 N.sub.4") with plug)     "871   Or "\$i.sub.3 N.sub.4") with plug)     "871   Or "\$i.sub.3 N.sub.4") with plug)     "871   Or "\$i.sub.3 N.sub.4") with plug     "971   Or "\$i.sub.3 N.sub.4" with plug     "971   Or "\$i.sub.3 N.sub.4" with plug     "971   Or "\$i.sub.3 N.sub.4" with plug     "971   Or "\$i.sub.3 N.sub.4" with plug     "971   Or "\$i.su	ļ ŀ				,,
"5759867"   "5759920"   "5763316"   "5991799"   "6037222"   "610183"   "6153455"   "6153457").PN.					
"5891799"   "6037228"   "6140183"   "6153455"   "6153457").PN. 2628731.URPN.  ("6184073"   "6228731"   "6274426").PN. USPAT 2003/05/29 17: 206 (((11er\$1 or lining or spacer\$1 or side\$lwall\$1) with (nitride\$1 or SiN or "SiSN4" or "Si. sub.3 N. sub.4") with plug)  ((((11er\$1 or lining or spacer\$1 or side\$lwall\$1) with (nitride\$1 or SiN or "SiSN4" or "Si. sub.3 N. sub.4") with opening\$1)  (((((((iner\$1 or lining or spacer\$1 or side\$lwall\$1) with (nitride\$1 or SiN or "SiSN4" or "Si. sub.3 N. sub.4") with opening\$1)  (((((((iner\$1 or lining or spacer\$1 or side\$lwall\$1) with (nitride\$1 or SiN or "SiSN4" or "Si. sub.3 N. sub.4") with plug) ) or ((((((((iner\$1 or lining or spacer\$1 or side\$lwall\$1) with (nitride\$1 or SiN or "SiSN4" or "Si. sub.3 N. sub.4") with plug) ) or (((((((((((((((((((((((((((((((((((					•
"6153455"   "6153457").PN.   USPAT   2003/05/29 17:   3 ("6184073"   "6228731"   "6274426").PN.   USPAT   2003/05/29 17:   2003/05/29 18:   2003/05/29 18:   2003/05/29 18:   2003/05/29 18:   2003/05/29 18:   2003/05/29 18:   2003/05/29 18:   2003/05/29 18:   2003/05/29 18:   2003/05/29 18:   2003/05/29 18:   2003/05/29 18:   2003/05/29 18:					1
-			"5891799"   "6037228"   "6140183"		
-			"6153455"   "6153457").PN.		
Company   Comp	_	વ		USPAT	2003/05/29 17:40
Company   Comp	_	-			
Company   Comp	-	_		-	
	-	_		li .	
S77   Si3N4" or "Si.sub.3 N.sub.4") with plug   C(liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1)   C((((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   Or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   Or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) ) and (plug with (second near2 barrier))   C(((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   Or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   Or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1)   Or ((siner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1)   Or ((siner\$1 or lining or spacer\$1 or side\$1wall\$2]   Or (side\$1wall\$3]   Or (s	-	226		USPAT	2003/05/29 1/:42
S77   Si3N4" or "Si.sub.3 N.sub.4") with plug   C(liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1)   C((((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   Or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   Or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) ) and (plug with (second near2 barrier))   C(((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   Or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   Or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1)   Or ((siner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1)   Or ((siner\$1 or lining or spacer\$1 or side\$1wall\$2]   Or (side\$1wall\$3]   Or (s	1			]	
Second State   Seco			"Si3N4" or "Si.sub.3 N.sub.4") with plug)		
Side\$ wall\$  with (nitride\$  or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$	1_ 1	877		USPAT	2003/05/29 17:43
"Si3N4" or "Si.sub.3 N.sub.4") with opening\$1)	1	077		*******	1
Opening\$1) ((((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "si3N4" or "Si.sub.3 N.sub.4") with plug) or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "si3N4" or "Si.sub.3 N.sub.4") with opening\$1) or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "si3N4" or "Si.sub.3 N.sub.4") with opening\$1)) and (plug with (second near2 barrier))					
10   ((((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "SiSNA" or "Si.sub.3 N.sub.4") with plug)					
Side\$ wall\$1  with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   or ((((liner\$1 or lining or spacer\$1 or side\$ wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with (second near2 barrier))   ((((liner\$1 or lining or spacer\$1 or side\$ wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   or ((((liner\$1 or lining or spacer\$1 or side\$ wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   or ((((liner\$1 or lining or spacer\$1 or side\$ wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with barrier)   ("3637320"   "3807008"   "4035541"   USPAT 2003/05/29 17 "4497874"   "4830886"   "4960732"   USPAT 2003/05/29 17 "5087593"   "5132756"   "5139825"   "5087593"   "5132756"   "5139825"   "578911"   "5192589"   "5246881"   "5571572"   "5723382"   "5893758").PN.   USPAT 2003/05/29 17   ("5593563"   "5741626"   "5744394"   USPAT 2003/05/29 18   "6300236").PN.   USPAT 2003/05/29 18 "6300236").PN.   G49 438/637 and plug and barrier   USPAT 2003/05/29 18 "5834845"   "5904565"   "6040243"   "584168"   "584166"   "5744394"   USPAT 2003/05/29 18 "5821168"   "583168"   "5741626"   "5744394"   USPAT 2003/05/29 18 "583168"   "583168"   "5841626"   "5744394"   USPAT 2003/05/29 18 "583168"   "584168"   "5841626"   "5744394"   USPAT 2003/05/29 18 "584168"   "584168"   "584168"   "5841626"   "5744626"   "5744626"   "5744626"   "5744626"   "5744626"   "5744626"   "57					
"Si3N4" or "Si.sub.3 N.sub.4") with plug)   or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with (second near2 barrier))   101 ((((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with barrier)   USPAT	-	10	((((liner\$1 or lining or spacer\$1 or	USPAT	2003/05/29 17:45
"Si3N4" or "Si.sub.3 N.sub.4") with plug)   or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with (second near2 barrier))   101 ((((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug)   or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with barrier)   USPAT			side\$1wall\$1) with (nitride\$1 or SiN or		
Or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "\$i3N4" or "\$i.sub.3 N.sub.4") with opening\$1) )) and (plug with (second near2 barrier))			"Si3N4" or "Si.sub.3 N.sub.4") with plug)		
side\$1wall\$1) with (nitride\$1 or SiN or "Si3Na" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with (second near2 barrier))					
"Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) ) and (plug with (second near2 barrier))  101 ((((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug) ) or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with barrier)  21 ("3637320"   "3807008"   "4035541"   USPAT 2003/05/29 17 "4497874"   "4830886"   "4960732"   "4990997"   "5087593"   "5132756"   "5139825"   "5087593"   "5132756"   "5139825"   "578911"   "5192589"   "5246881"   "5384289"   "5496762"   "5536947"   "5571572"   "5723382"   "55893758").PN.  4 5893758.URPN.  - 4 5893758.URPN 161 plug with (insulat\$4 near3 barrier) USPAT 2003/05/29 17 "593863"   "5741626"   "5744394"   USPAT 2003/05/29 18 "6300236").PN.  - 649 438/637 and plug and barrier - 7 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "6300236").PN.  - 649 438/637 and plug and barrier - 7 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "6300236").PN.  - 3 ("5332691"   "5834845"   "5904565"   "6040243"   USPAT 2003/05/29 18 "6040243").PN.  - 3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18 "6040243").PN.  - 7 ("583168.URPN.					
opening\$1) )) and (plug with (second near2 barrier)					1
Darrier			"Si3N4" or "Si.sub.3 N.sub.4") with		1
- 101 ((((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with plug) ) or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with barrier)  - 21 ("3637320"   "3807008"   "4035541"   USPAT 2003/05/29 17  "4497874"   "4830886"   "4960732"   "4990997"   "5001531"   "5049975"   "5087593"   "5132756"   "5139825"   "5178911"   "5192589"   "5246881"   "5384289"   "5496762"   "5536947"   "5571572"   "5723382"   "5893758").PN.  - 4 5893758.URPN. USPAT 2003/05/29 17  - 161 plug with (insulat\$4 near3 barrier) USPAT 2003/05/29 17  - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					
Side\$Iwall\$1) with (nitride\$1 or SiN or			barrier))		
Side\$ wall\$1  with (nitride\$1 or SiN or	_	101	((((liner\$1 or lining or spacer\$1 or	USPAT	2003/05/29 17:54
"Si3N4" or "Si.sub.3 N.sub.4") with plug) ) or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with barrier)  - 21 ("3637320"   "3807008"   "4035541"   USPAT 2003/05/29 17  "4497874"   "4830886"   "4960732"   "4990997"   "5001531"   "5046881"   "5178911"   "5139825"   "5178911"   "5132756"   "5139825"   "5578937"   "51246881"   "55364289"   "55246881"   "5571572"   "5723382"   "5536947"   USPAT 2003/05/29 17  - 4 5893758.URPN 4 5893758.URPN 161 plug with (insulat\$4 near3 barrier) USPAT 2003/05/29 17 - 2003/05/29 17 - 2003/05/29 18 - 2003/05/29 18 - 3 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 - 448/637 and plug and barrier - 438/637 and plug and barrier - 5821168"   "5904565"   "6040243"   USPAT 2003/05/29 18 - 5821168"   "5834845"   "5904565"   USPAT 2003/05/29 18 - 5821168"   "5834845"   "5904565"   USPAT 2003/05/29 18 - 5821168"   "5834845"   "5741626").PN. USPAT 2003/05/29 18					
Or (((liner\$1 or lining or spacer\$1 or side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with barrier) ("3637320"   "3807008"   "4035541"   USPAT 2003/05/29 17 "4497874"   "4830886"   "4960732"   "4990997"   "5001531"   "5049975"   "5087593"   "5132756"   "5139825"   "5178911"   "5192589"   "5246881"   "5384289"   "5496762"   "5536947"   "5571572"   "5723382"   "5893758").PN.  -					
side\$1wall\$1) with (nitride\$1 or SiN or "Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with barrier) ("3637320"   "3807008"   "4035541"   USPAT 2003/05/29 17 "4497874"   "4830886"   "4960732"   "5087593"   "5132756"   "5139825"   "5178911"   "5192589"   "5246881"   "5384289"   "5496762"   "5536947"   "5571572"   "5723382"   "5893758").PN.		1			
"Si3N4" or "Si.sub.3 N.sub.4") with opening\$1) )) and (plug with barrier) ("3637320"   "3807008"   "4035541"   USPAT 2003/05/29 17 "4990997"   "5001531"   "5049975"   "5087593"   "5132756"   "5139825"   "5178911"   "5192589"   "5246881"   "53384289"   "5496762"   "55384289"   "571572"   "5723382"   "5893758").PN.  - 4 5893758.URPN. USPAT 2003/05/29 17 USPAT 2003/05/29 17 USPAT 2003/05/29 17 USPAT 2003/05/29 17 USPAT 2003/05/29 18 USPAT 2003/0			) or (((lineral or lining or spaceral or		
opening\$1) )) and (plug with barrier)  ("3637320"   "3807008"   "4035541"   USPAT 2003/05/29 17  "4497874"   "4830886"   "4960732"   "5087593"   "5132756"   "5139825"   "5178911"   "5192589"   "5246881"   "5384289"   "5496762"   "5536947"   "5571572"   "5723382"   "5893758").PN.  4 5893758.URPN.  161 plug with (insulat\$4 near3 barrier) USPAT 2003/05/29 17  82 plug and (non\$1conduct\$4 near3 barrier) USPAT 2003/05/29 18  7 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18  "6300236").PN.  4 38/637 and plug and barrier USPAT 2003/05/29 18  "6300236").PN.  649 438/637 and plug and barrier USPAT 2003/05/29 18  "5821168"   "5941626"   "5744394"   USPAT 2003/05/29 18  "6040243").PN.  3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18  "6040243").PN.  4 USPAT 2003/05/29 18  USPAT 2003/05/29 18					1
- 21 ("3637320"   "3807008"   "4035541"   USPAT 2003/05/29 17			"Si3N4" or "Si.sub.3 N.sub.4") with	1	1
- 21 ("3637320"   "3807008"   "4035541"   USPAT 2003/05/29 17	]		opening\$1) )) and (plug with barrier)		
"4497874"   "4830886"   "4960732"   "4990997"   "5001531"   "5049975"   "5087593"   "5132756"   "5139825"   "5178911"   "5192589"   "5246881"   "5384289"   "5496762"   "5536947"   "5571572"   "5723382"   "5893758").PN.  -	_	21		USPAT	2003/05/29 17:48
"4990997"   "5001531"   "5049975"   "5087593"   "5132756"   "5139825"   "5178911"   "5192589"   "5246881"   "5384289"   "5496762"   "5536947"   "5571572"   "5723382"   "5893758").PN.  4 5893758.URPN.  - 161 plug with (insulat\$4 near3 barrier) - 162 plug and (non\$1conduct\$4 near3 barrier) - 163 plug and (non\$1conduct\$4 near3 barrier) - 164 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5834845"   "5904565"   "6040243"   "6300236").PN.  - 2 649 438/637 and plug and barrier - 3 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5821168"   "5834845"   "5904565"   "6040243").PN.  - 3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18 - 57 5821168.URPN.					
"5087593"   "5132756"   "5139825"   "5178911"   "5192589"   "5246881"   "5384289"   "5496762"   "5536947"   "5571572"   "5723382"   "5893758").PN.  4 5893758.URPN.  Plug with (insulat\$4 near3 barrier) Plug and (non\$1conduct\$4 near3 barrier) USPAT 2003/05/29 17  ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "580236").PN.  438/637 and plug and barrier VISPAT 2003/05/29 18 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5821168"   "5834845"   "5904565"   USPAT 2003/05/29 18 "6040243").PN.  3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18 "67 5821168.URPN.	}				
"5178911"   "5192589"   "5246881"   "5384289"   "5496762"   "5536947"   "5571572"   "5723382"   "5893758").PN.  4 5893758.URPN.  161 plug with (insulat\$4 near3 barrier) Plug and (non\$1conduct\$4 near3 barrier) USPAT 2003/05/29 17 2003/05/29 18  ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5834845"   "5904565"   "6040243"   "6300236").PN.  438/637 and plug and barrier VSPAT 2003/05/29 18 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5821168"   "5834845"   "5904565"   "6040243").PN.  3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18 "5821168.URPN.					
"5384289"   "5496762"   "5536947"   "5571572"   "5723382"   "5893758").PN.  4					
- 4 5571572"   "5723382"   "5893758").PN. 5893758.URPN. 161 plug with (insulat\$4 near3 barrier) USPAT 2003/05/29 17 2003/05/29 17 2003/05/29 17 2003/05/29 18					
- 4 5571572"   "5723382"   "5893758").PN. 5893758.URPN. plug with (insulat\$4 near3 barrier) USPAT 2003/05/29 17 plug and (non\$1conduct\$4 near3 barrier) USPAT 2003/05/29 18 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5834845"   "5904565"   "6040243"   "6300236").PN 438/637 and plug and barrier USPAT 2003/05/29 18 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5821168"   "5834845"   "5904565"   USPAT 2003/05/29 18 "5821168"   "5834845"   "5904565"   USPAT 2003/05/29 18 "6040243").PN 3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18 - 5821168.URPN.			"5384289"   "5496762"   "5536947"	1	1
- 4 5893758.URPN 161 plug with (insulat\$4 near3 barrier) - 82 plug and (non\$1conduct\$4 near3 barrier) - ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 - "5834845"   "5904565"   "6040243"   USPAT 2003/05/29 18 - "6300236").PN 649 438/637 and plug and barrier - "5821168"   "5741626"   "5744394"   USPAT 2003/05/29 18 - "5821168"   "5834845"   "5904565"   USPAT 2003/05/29 18 - "6040243").PN "6040243").PN "67 5821168.URPN. USPAT 2003/05/29 18 - "5821168.URPN. USPAT 2003/05/29 18					1
- 161 plug with (insulat\$4 near3 barrier)	1_ l		,	IISPAT	2003/05/29 17:51
- 82 plug and (non\$1conduct\$4 near3 barrier)	-	1	l	1	
- 7 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5834845"   "5904565"   "6040243"   "6300236").PN.  - 649 438/637 and plug and barrier USPAT 2003/05/29 18 "5821168"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5821168"   "5834845"   "5904565"   "6040243").PN.  - 3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18 "5821168.URPN.	[ -	l			
"5834845"   "5904565"   "6040243"   "6300236").PN.  -	-	l	plug and (non\$1conduct\$4 near3 barrier)		1 '
- 649 438/637 and plug and barrier USPAT 2003/05/29 18 - 7 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5821168"   "5834845"   "5904565"   "6040243").PN 3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18 - 67 5821168.URPN. USPAT 2003/05/29 18	-	7	("5693563"   "5741626"   "5744394"	USPAT	2003/05/29 18:03
- 649 438/637 and plug and barrier USPAT 2003/05/29 18 - 7 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5821168"   "5834845"   "5904565"   "6040243").PN 3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18 - 67 5821168.URPN. USPAT 2003/05/29 18	1		"5834845"   "5904565"   "6040243"		1
- 649 438/637 and plug and barrier USPAT 2003/05/29 18 - 7 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5821168"   "5834845"   "5904565"   "6040243").PN 3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18 - 67 5821168.URPN. USPAT 2003/05/29 18			· · · · · · · · · · · · · · · · · · ·		1
- 7 ("5693563"   "5741626"   "5744394"   USPAT 2003/05/29 18 "5821168"   "5834845"   "5904565"   "6040243").PN.  - 3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18 2003/05/29 18 2003/05/29 18 2003/05/29 18	_	640		IISPAT	2003/05/29 18:10
"5821168"   "5834845"   "5904565"   "6040243").PN.  - 3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18 - 67 5821168.URPN. USPAT 2003/05/29 18	-			1 '	
"6040243").PN.  - 3 ("5332691"   "5604158"   "5741626").PN.   USPAT   2003/05/29 18  - 67   5821168.URPN.   USPAT   2003/05/29 18	-	1 '		LOSPAI	2003/03/29 18:19
- 3 ("5332691"   "5604158"   "5741626").PN. USPAT 2003/05/29 18 67 5821168.URPN. USPAT 2003/05/29 18			1		
- 67 5821168.URPN. USPAT 2003/05/29 18					
- 67 5821168.URPN. USPAT 2003/05/29 18	_	. 3	("5332691"   "5604158"   "5741626").PN.	USPAT	2003/05/29 18:21
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I	_	11	("5536681"   "5540812"   "5759906"	USPAT	2003/05/29 18:26
	-	11		00171	1 2000, 00, 25 10.20
"5821168"   "5976626"   "5985762"	1				
"6024887"   "6100181"   "6100184"					1
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-	7	("5482894"   "5795823"   "5924008"	USPAT	2003/05/29 18:32
		"5990011"   "6007733"   "6017817"		
		"6211069").PN.		
-	8	("5604156"   "5614765"   "5726499"	USPAT	2003/05/29 18:32
	İ	"5741626"   "5753967"   "5795823"		
		"5814527"   "6010962").PN.		